

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P244248

Luminaire Tested: **LSR8B10D010 EC8B10840 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B10840 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1126.0 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

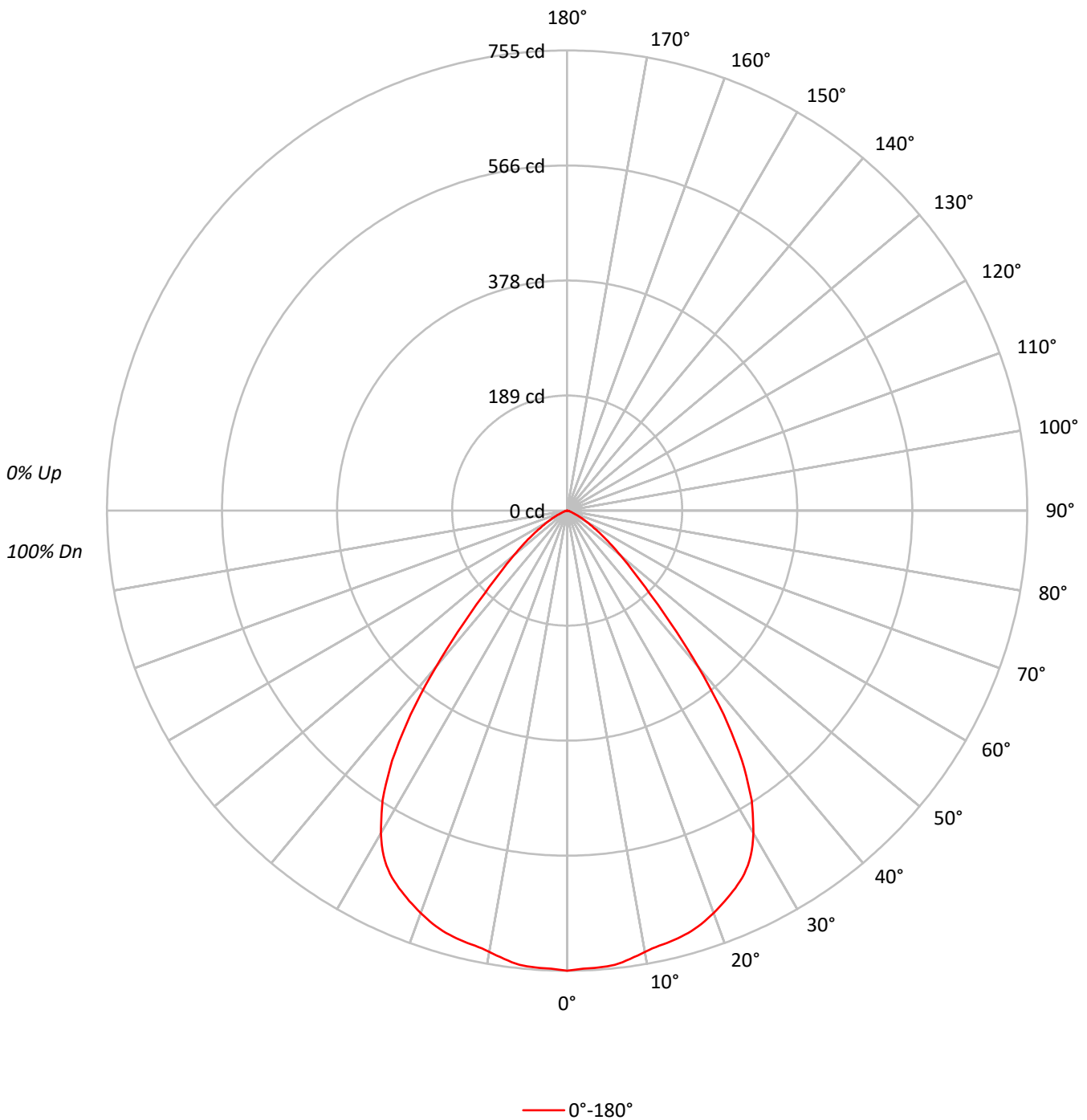
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23281
5°	23231
10°	23021
15°	23107
20°	23056
25°	22834
30°	21763
35°	18841
40°	13441
45°	8260
50°	5450
55°	3602
60°	2307
65°	1255
70°	613
75°	310
80°	178
85°	106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	6.3
10°-20°	204.1	18.1
20°-30°	307.2	27.3
30°-40°	304.2	27.0
40°-50°	154.5	13.7
50°-60°	62.3	5.5
60°-70°	18.8	1.7
70°-80°	3.2	0.3
80°-90°	0.4	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	582.5	51.7
0°-40°	886.7	78.7
0°-60°	1103.5	98.0
0°-90°	1126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1126.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	755	
5°	750	71
15°	724	204
25°	671	307
35°	500	304
45°	189	155
55°	67	62
65°	17	19
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	755.0
1°	753.4
2°	752.1
3°	751.8
4°	751.4
5°	750.5
6°	749.2
7°	746.6
8°	742.7
9°	739.1
10°	735.2
11°	731.9
12°	729.6
13°	728.0
14°	726.1
15°	723.8
16°	720.9
17°	717.3
18°	713.0
19°	708.2
20°	702.6
21°	696.8
22°	690.9
23°	684.7
24°	678.2
25°	671.1
26°	663.3
27°	653.2
28°	641.4
29°	627.5
30°	611.2
32.5°	563.7
35°	500.5
37.5°	421.8
40°	333.9
42.5°	252.2
45°	189.4
47.5°	144.8
50°	113.6
52.5°	88.2
55°	67.0
57.5°	49.8
60°	37.4
62.5°	26.7
65°	17.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	10.7
70°	6.8
72.5°	4.2
75°	2.6
77.5°	1.6
80°	1.0
82.5°	0.7
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)